

# Cable to Cable, Cathodic



nVent ERICO Cadweld Cathodic Connections are the preferred method of exothermically welding cathodic protection anode leads to pipes (steel or cast iron), tanks, and other structures. Cathodic protection systems are designed to prevent galvanic corrosion along a pipeline or in various structures. nVent ERICO Cadweld Cathodic Connections use a special welding material alloy to minimize heat effect on the steel, which is especially important on thin wall and high stress pipes.

## DIAGRAMS



## FEATURES

Forms a permanent, low resistance connection

Provides a molecular bond

nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor

Portable installation equipment with no external source of power required

Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections

Connections can be visually inspected

## SPECIFICATIONS

Table 1/2

Catalog Number	Mold Family	Conductor 1	Conductor 1 Outer Diameter, Nominal	Conductor 2	Conductor 2 Outer Diameter, Nominal
CASST1A	SS	#10 Solid	0.1"	#10 Solid	0.1"
CAPCT1H1D	PC	#6 Concentric	0.18"	#8 Solid	0.13"

Catalog Number	Mold Family	Conductor 1	Conductor 1 Outer Diameter, Nominal	Conductor 2	Conductor 2 Outer Diameter, Nominal
CASST1D	SS	#8 Solid	0.13"	#8 Solid	0.13"
CAPCT1V1E	PC	#2 Concentric	0.29"	#8 Concentric	0.15"
CAPCT1H1E	PC	#6 Concentric	0.18"	#8 Concentric	0.15"
CASST1E	SS	#8 Concentric	0.15"	#8 Concentric	0.15"
CAPCT1L1E	PC	#4 Concentric	0.23"	#8 Concentric	0.15"
CASST1G	SS	#6 Solid	0.16"	#6 Solid	0.16"
CAPCT1G1G	PT	#6 Solid	0.16"	#6 Solid	0.16"
CAPCP2G1G	PC	2/0 Concentric	0.42"	#6 Solid	0.16"
CAPCT1V1G	PC	#2 Concentric	0.29"	#6 Solid	0.16"
CAPCT1L1H	PC	#4 Concentric	0.23"	#6 Concentric	0.18"
CAPCP2C1H	PC	1/0 Concentric	0.37"	#6 Concentric	0.18"
CAPCT1V1H	PC	#2 Concentric	0.29"	#6 Concentric	0.18"
CAPCT1H1H	PC	#6 Concentric	0.18"	#6 Concentric	0.18"
CASST1H	SS	#6 Concentric	0.18"	#6 Concentric	0.18"
CASST1K	SS	#4 Solid	0.2"	#4 Solid	0.2"
CASST1L	SS	#4 Concentric	0.23"	#4 Concentric	0.23"
CATAN2C1L	TA	1/0 Concentric	0.37"	#4 Concentric	0.23"
CATAN1V1L	TA	#2 Concentric	0.29"	#4 Concentric	0.23"

Table 2/2

Catalog Number	Mold Family	Conductor 1	Conductor 1 Outer Diameter, Nominal	Conductor 2	Conductor 2 Outer Diameter, Nominal
CAPCT1L1LM	PC	#4 Concentric	0.23"	#4 Concentric	0.23"
CAPCP2C1L	PC	1/0 Concentric	0.37"	#4 Concentric	0.23"
CAPCT1L1L	PC	#4 Concentric	0.23"	#4 Concentric	0.23"
CATAN2G1L	TA	2/0 Concentric	0.42"	#4 Concentric	0.23"
CASST1V	SS	#2 Concentric	0.29"	#2 Concentric	0.29"
CATAN1V1V	TA	#2 Concentric	0.29"	#2 Concentric	0.29"
CATAN1Y1V	TA	#1 Concentric	0.33"	#2 Concentric	0.29"
CAPCP2C1V	PC	1/0 Concentric	0.37"	#2 Concentric	0.29"
CATAN2C1V	TA	1/0 Concentric	0.37"	#2 Concentric	0.29"

Catalog Number	Mold Family	Conductor 1	Conductor 1 Outer Diameter, Nominal	Conductor 2	Conductor 2 Outer Diameter, Nominal
CAPCP1V1V	PC	#2 Concentric	0.29"	#2 Concentric	0.29"
CATAN2G1V	TA	2/0 Concentric	0.42"	#2 Concentric	0.29"
CAPCN2G1V	PC	2/0 Concentric	0.42"	#2 Concentric	0.29"
CASST1Y	SS	#1 Concentric	0.33"	#1 Concentric	0.33"
CATAN2C1Y	TA	1/0 Concentric	0.37"	#1 Concentric	0.33"
CATAN2C1YM	TA	1/0 Concentric	0.37"	#1 Concentric	0.33"
CASSP2C	SS	1/0 Concentric	0.37"	1/0 Concentric	0.37"
CATAN2C2C	TA	1/0 Concentric	0.37"	1/0 Concentric	0.37"
CATAN2G2G	TA	2/0 Concentric	0.42"	2/0 Concentric	0.42"
CASSP2G	SS	2/0 Concentric	0.42"	2/0 Concentric	0.42"

## ADDITIONAL PRODUCT DETAILS

For applications such as computer room, tunnel or other low-ventilation areas, specify a smokeless nVent ERICO Cadweld Exolon mold. Add an XL prefix to the standard mold part number when ordering (for example, a TAC2Q2Q becomes XLTAC2Q2Q). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, 150 becomes XL150).

A gap between conductors may be required. See mold tag for more information.

Use XF19 or PLUSXF19 welding material on connections to ductile iron.

CA-XX-X-XX-XX-L-M-W		
CA	Cathodic Designation	
XX	Mold Family	
X	Price Key	
XX	Conductor Code 1	
XX	Conductor Code 2	
L*	Split Crucible	Crucible section is split on molds designed with horizontal opening for easier cleaning
M*	Mold Only	
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points

\* Empty if none

## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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